

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	01551
Lot Number	003115-0420041
Product	Cholecalciferol 7-Dehydrocholesterol activated
CAS Number	67-97-0
Molecular Formula	C ₂₇ H ₄₄ O
Molecular Weight	384.65

Appearance	White crystals
Clarity & Color	A bright red color is produce and it rapidly changes through violet and blue to green.
Solubility	Soluble in Ethanol(95%), chlorform, and fatty oils; and insoluble in water,
Odor	Odorless
Melting Point	85 °C
Optical Rotation	[α] _D ²⁰ = 109 °
Infrared Spectrum	Conforms to structure
UV Ratios	Absorptivities at 265 nm : 1.4%
Residual Solvents	Methanol : < 6 ppm Ethanol : < 10 ppm Pyridine : < 4 ppm Methyl Formate : < 10 ppm Petroleum Ether : < 2 ppm Acetone : < 10 ppm Benzene : < 0.2 ppm
Purity by HPLC	98.6%
Purity by TLC	Passes test
Grade	USP
Storage	Store at 0 - 8 °C

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Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager